YNK-DBR No.....
Date.....

Original/Duplicate/Triplicate

P.W.G. 17 1st and part Bill

# CONTRACT CERTIFICATE

Reference para 169 & 170

AEE, YSTSD

NO

Division Yelahanka

Sub division Yelahanka New Town

SBR No: 5/21-22

Bills received No Date

Sub-divisional Cash book vr No Date: 27/4/2021

Divisional Date

Sheduled Docket No

Head of account

Name of work(as per sanctioned estimate) :-

**NAME OF WORK :Construction of RCC drain at BHEL Layout And Ayyappa Layout And Surrounding Area in ward no:03, Yelahanka Satellite TownSub Division**

**Work Code:003-20-000070**

Name of contractor and full address :-

**M/s Techinical Manager (West), KRIDL, Bangalore, 5th Block, 17th Main Shivakumar Swamy Building, Bhashyam circle Bangalore-560010**

Reference to agreement No :- EE/YNK.D/AG/173/2019-2020

**Estimated cost : 175.00**

**Work order No :BBMP/EE/YNK.D/W.O/187/2019-2020, dt:09/11/2019**

Certified that the measurments were taken by me on 24/3/2021 and recorded on pages 493718 to 493720 of measurment book No 493E/2019-20 and the work is satisfactorily executed by the contractor.

Asst Executive Engineer
Yelahanka, Yeshwanthpura Sub Division
KRIDL BBMP Bangalore

Signature of contractor

Asst. Engineer 24/3/2021

Certified that the measurments were taken by me on 24/03/2021 and recorded correct.The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office

I st part Vr.No HH 137.31252-00 Total- 31-03-21

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ ಉಪವಿಭಾಗೀಯ ಕಛೇರಿ
ಬೆಂಗಳೂರು.

## II MEMORANDUM OF PAYMENT

| | |
|---|---|
| 1) Total value of work done or supplies as per A/c within | 20,86,580.00 |
| 2) Deduct amount to be held in reserve being-----percent Rs----------% | 83,462.00 |
| 3) Balance--- | 21,70,042.00 |
| 4) Deduct payments | 2,60,405.00 |
| a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S D No----------Amount adjusted | 24,30,448.00 |
| b) Cost of payments/stores or other materials supplied now made recovery of | |
| Amount paid on this bill by cheque/cash | |
| Total | |
| 5) Balance being unpaid value of work done held in reserve | FSD 108503=00 |
| 6) Deduct cash of advance made on divisional/sub divisional cash book | CGST - |
| 7) Net amount due to or from contractor | SGST - |
| UN ADJUSTED ITEMS | IT 43400=00 |
| 8) Advance to contractor for materials to site(as detailed within) | LC 24304=00 |
| 9) Value of government materials supplied | SBF 2430=00 |
| TOTAL AMOUNT UN-ADJUSTED | LR. 2,81,89=00 |
| | TD 206836=00 |
| | CH 22,23,622=00 |

Asst Executive Engineer
Yelahanka, Yeshwanthpura Sub Division
KRIDL BBMP Bangalore

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum

(in final settlement of all demand)

Witness

1)

2)

Asst Executive Engineer
Yelahanka, Yeshwanthpura Sub Division
KRIDL BBMP Bangalore

Dated signature of contractor

paid by me cheque No dated

Cash Rs.

Date Initials of officer making payment

Reciept Stamp

Audited & Admitted for Rs. 24,30,448=00

(twenty four lakh thirty thousand four hundred & fourty eight.

22,23,622=00 by Cheque

and Rs. 2,06,826=00 by adjusement

Date

Accts Supdt.
yelahanka Division
BBMP

Executive Engineer

Exe. Engineer
yelahanka Division
BBMP

## BRUHAT BANGALORE MAHANAGARA PALIKE

**Name of Work: Construction of RCC Drains and Culverts at BHEL Layout And Ayyappa Layout and Surrounding Area in Ward No.03, Yelahanka Satellite Town Sub Division.**

### ABSTRACT

| Sl No | Description of Work | Unit | As per Schedule -B | | | Previous Measurement | | Present Measurement | | | Up to date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qty | Rate | Amount | Qty | Amount | Qty | Rate in Rs. | Amount | Qty | Amount |
| 1 | KSRRB300-1. Earthwork excavation by manual means for Drains and similar works in ordinar soil excavated surface levelled and sides neatly dressed, the dispossed earth to be levelled neatly after breaking of clods completed as per specifications. KPWD S.R 2018-19. | Cum | 2033.95 | 211.79 | 430771.00 | 1681.94 | 356219.00 | 345.29 | 211.79 | 73129.00 | 2027.23 | 429347.04 |
| 2 | KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregates 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing including cost of materials, labour,HOM completed as per specifications | Cum | 339.71 | 4479.56 | 1521752.00 | 291.67 | 1306554.00 | 48.04 | 4479.56 | 215199.00 | 339.71 | 1521751.33 |
| 3 | KSRRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for RCC work including Straightening, cutting, bending, hooking, placing in position, lapping and/or welding whereever required, tying with binding wire and anchoring to the adjoining members whereever necessary completed as per design ans specification. | Ton | 43.65 | 72326.98 | 3157073.00 | 37.88 | 2739747.00 | 5.77 | 72326.98 | 417327.00 | 43.65 | 3157072.68 |
| 4 | providing and laying plain/reinforced cement concrete foe drain walls and bottom thickness 15cm using M20 nominal mix concrete with OPC at 300kgs. With 20mm and down size granite metal coarse aggregates at 0.69cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centring, shuttering, cost of materials, HOM of machinery, curing etc., completed as per specification. | Cum | 677.57 | 7070.20 | 4790556.00 | 576.77 | 4077880.00 | 100.12 | 7070.20 | 707869.00 | 676.89 | 4785747.68 |

Bangalore ★ Karnataka ★ PALIKE

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | providing and fixing precast reinforced concrete slab 100mm thick of mix M20 using 20mm and downside graded granite metal using reinforcement 10mm dia steel at 150mm c/cboth ways cost of transportation, hire charges of machinary, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of materials. | Cum Sq.m | 1377.00 | 2337.00 | 3218049.00 | 1089.00 | 2544993.00 | 288.00 | 2337.00 | 673056.00 | 1377.00 | 3218049.00 |
| 6 | Providing and fixing Pre cast solid concrete kerb stones of size 450 x 150 x 400 mmmade out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. | Sqm No | 1634.00 | 477.00 | 779418.00 | 1634.00 | 779418.00 | 0.00 | 477.00 | 0.00 | 1634.00 | 779418.00 |
| 7 | Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. | Sqm | 382.26 | 84.80 | 32474.00 | 382.26 | 32416.00 | 0.00 | 84.80 | 0.00 | 382.26 | 32415.65 |
| 8 | KSRRB M300-14.Excavation for roadwork in all types of soil by machinical means including cutting and loading to tippers, trimming bottomand sides slopes in accordance with requirments of lines grades and cross sections and transportations withn alead of 1.00km and complete as per specifications. MORTH Specification no.301 and 4kms lead for disposal | Sqm | 346.80 | 57.03 | 19779.00 | 0.00 | 0.00 | 0.00 | 57.03 | 0.00 | 0.00 | 0.00 |
| 9 | construction of granular sub-base grading-v as sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite material, mixing by mix in place method by rotavator at OMC spreading in uniform layers with motor grader on prepared surface and compactioning with vibratory power roller to achieve the 98% proctor density, complete as per specification. clause 401 of MORTH V revision | Nos | 91.80 | 1855.00 | 170289.00 | 0.00 | 0.00 | 0.00 | 1855.00 | 0.00 | 0.00 | 0.00 |
| 10 | KSRRB M400-17. Providing, Laying, Spreading and Compacting cushed stone aggregates of granite/ trap/basalt to wet ,ix macadam specifications including pre mixing the materials with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base /base coarse on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specification. | Sqm | 137.70 | 2001.28 | 275577.00 | 0.00 | 0.00 | 0.00 | 2001.28 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mechanical means including filling in depression occcuring during rolling including cost of all labour, HOM complete as per specifications. MORTH I Chapter 3 | Sqm | 612.00 | 6.36 | 3893.00 | 0.00 | 0.00 | 0.00 | 6.36 | 0.00 | 0.00 | 0.00 |
| 12 | KSRRB M500-6Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. clause 502 of MORTH V revision. | Sqm | 612.00 | 33.92 | 20760.00 | 0.00 | 0.00 | 0.00 | 33.92 | 0.00 | 0.00 | 0.00 |
| 13 | KSRRB 500-2 cleaning the existing black topped surface with Sqm brooms soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications.clause 502 of MORTH V revision. | Sqm | 0.00 | 5.30 | 0.00 | 0.00 | 0.00 | 0.00 | 5.30 | 0.00 | 0.00 | 0.00 |
| 14 | KSRRB 500--11 Providing and laying bituminous macadam using 40/60 TPH Capacity H.M.P. with Mechanical paver Gr-II(50mm to75mm) with 3.4% VG 30 Bitumenon prepared surface with crushed coarse aggregates as per desing mix formula for base/ binding coarse including loading of aggregates with F.E> loader, hot Mixing of stone aggregates and bitumen in hot mix plant,transporting the mixed materials in tippers to paver and laying mixed materials with paver finisher to the required and grade complete as per specifications. | Cum | 30.60 | 5962.50 | 182453.00 | 0.00 | 0.00 | 0.00 | 5962.50 | 0.00 | 0.00 | 0.00 |
| 15 | KSRRB 500--10 Providing and applying tack coat using 80/100 grade Sqm bitumen(VGIO) in boiler fitted with spray set distributor at the rate of 0.25 kg per Sqm on the existing prepared bituminous surface cleaned with mechanical broom, complete as per specifications. clause 503 of MORTH V revision. | Sqm | 612.00 | 12.72 | 7785.00 | 0.00 | 0.00 | 0.00 | 12.72 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *thick with hot mix plant, using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4% of modified bituminous binder consisting of 4.97% of VG-30 bitumen(60/70 grade) and 0.43% of plastomeric thermoplastics ( waste plastic) crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site laying with a paver finisher to required grade level and allignment rooling with smooth wheeled vibratory and tandem rollers to achive the desired compaction in all respects complete as per specifications* | Cum | 18.36 | 8699.42 | 159722.00 | 0.00 | 0.00 | 0.00 | 8699.42 | 0.00 | 0.00 | 0.00 |
| 17 | KSRRB M800-13. Road marking with hot applied thermoplastic compound with reflectrising glass beads on bituminous surface / concrete surface : providing and laying of hot applied thermo plastic compound 2.5mm thick including reflectorising glass beads at 250gms per sqm area thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35 standards specified complete as per specifications. | Sqm | 25.50 | 454.74 | 11596.00 | 0.00 | 0.00 | 0.00 | 454.74 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Identification 0.9 size board: providing and erecting directions and place identification retro- reflectorised sign as per IRC :67 made of high intensity grade sheeting vide clause 801.3 fixed over aluminium sheeting 2mm thick with area not exceeding 0.9 sqm supported on a mild steel single angel iron post 75X75X6 mm 2 Nos. firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45X45X60 cm, 60 cm below ground level as per approved drawing. | Sqm | 0.00 | 7557.80 | 0.00 | 0.00 | 0.00 | 0.00 | 7557.80 | 0.00 | 0.00 | 0.00 |
| | **Total** | | | | **14783777.00** | | **11837227.00** | | | **2086582.00** | | **13923801.37** |
| | **12% GST** | | | | **1774054.00** | | **1420468.00** | | | **250390.00** | | **1670857.00** |
| | **4% KRIDL** | | | | **591352.00** | | **473490.00** | | | **83464.00** | | **556953.00** |
| | **Grand Total** | | | | **17149183.00** | | **13731185.00** | | | **2420436.00** | | **16151612.00** |

**CERTIFICATE**

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Asst.Engineer
Yelahanka / Yeshwanthpura Sub Division,
KRIDL, BBMP, Bangalore

Contractor

Assistant Engineer

24/2/2021

Assl. Executive Engineer
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2086580-00

4% 83464-00

12 260406-00

Total - 2430450-00